

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

Claims 1-3 (canceled).

4. (new) A method for managing a network system via a Managed Object (MO) on network elements each of which is mutually connected, said method comprising the steps of:

inputting, by a system administrator, to a first network element connected to a graphical local craft terminal a system ID of a second network element under network management;

inquiring, by said first network element, about an address corresponding to said system ID by sending a first Protocol Data Unit (PDU) including said system ID to other network elements;

comparing, by said second network element, said system ID included in said first PDU with a system ID of said second network element;

sending, by said second network element, a second PDU including an address of said second network element to said first network element if said system ID included in said first PDU is consistent with said system ID of said second network element;

sending, by said first network element, a third PDU including an address of said first network element to said second network element based on said address included in said second PDU;

generating, by said second network element, a MO for said first network element based on information included in said third PDU;

sending, by said second network element, a fourth PDU including said address of said second network element to said first network element; and

generating, by said first network element, a MO for said second network element based on information included in said fourth PDU.

5. (new) A method for managing a network system according to claim 1, wherein said third PDU includes a system ID of said first network element and said second network element generates said MO for said first network element by using an address and a system ID included in said third PDU, and

wherein said fourth PDU includes a system ID of said second network element and said first network element generates said MO for said second network element by using an address and a system ID included in said fourth PDU.

6. (new) A method for managing a network system according to claim 1, wherein said address included in said second PDU is a Network Service Access Point (NSAP) Address, and said address included in said third and fourth PDU is a Presentation Service Access Point (PSAP) address, whereby specification of said MO for said first network element and said MO for second network element are based on specification of Open System Interconnection (OSI).

7. (new) A method for managing a network system according to claim 1,

wherein said first or second network element searches whether or not there is a MO corresponding to a network element which sends said third or fourth PDU when receiving said third or fourth PDU, generates a new MO if there is not, and generates a new MO after deleting existing object if there is, when an address managed by said existing object is different with said address included in said third or fourth PDU as a result of comparison.

8. (new) A method for managing a network system via a Managed Object (MO) on network elements each of which is mutually connected, said method comprising the steps of:

inputting, by a system administrator, a first network element connected to a graphical local craft terminal a system ID of a second network element under network management;

sending, by said first network element, a first Protocol Data unit (PDU) for inquiring about a system ID to said second network element by using an input address;

sending back, by said second network element, a second PDU including a system ID of said second network element to said first network element;

sending, by said first network element, a third PDU including an address of said first network element to said second network element;

generating, by said second network element, a MO for said first network element based on information included in said third PDU;

sending, by said second network element, a fourth PDU including an address of said second network element to said first network element; and

generating, by said first network element, a MO for said second network element based on information included in said fourth PDU.

9. (new) A method for managing a network system according to claim 8, wherein said third PDU includes a system ID of said first network element, and said second network element generates said MO for said first network element by using an address and a system ID included in said third PDU, and

wherein said fourth PDU includes a system ID of said second network element, and said first network element generates said MO for said second network element by using an address and a system ID included in said fourth PDU.

10. (new) A method for managing a network system according to claim 8, wherein said address included in said second PDU is a Network Service Access Point (NSAP) Address, and said address included in said third and fourth PDU is a Presentation Service Access Point (PSAP) address, whereby specification of said MO for first and said MO for second network element are based on specification of Open System Interconnection (OSI).

11. (new) A method for managing a network system according to claim 8,

wherein said first or second network element searches whether or not there is a MO corresponding to a network element which sends said third or fourth PDU when receiving said third or fourth PDU, generates a new MO if there is not, and generates a new MO after deleting a existing object if there is, when an address managed by said existing object is different with said address included in said third or fourth PDU as a result of a comparison.

12. (new) A system for managing a network system via a Managed Object (MO) on network elements each of which is mutually connected, comprising:

- a first network element connected to a graphical local craft terminal having a means to input a system ID and address; and

- a second network element managed by said graphical local craft terminal, wherein said first network element comprises:

- means to assemble a first PDU for inquiring about an address from a system ID or second PDU for inquiring about a system ID from an address, and send said first or second PDU to said second network element, and

- means to generating a MO for said second network element by using information included in said first PDU received from said second network element, and

- wherein said second network element comprises:

- means to send back an address of said second network element in accordance with said first PDU, and send back a system ID of said second network element in accordance with said second PDU,

means to send a fourth PDU including information for generating a MO for said second network element, and

means to generate a MO for said first network element by using information included in said third PDU received from said first network element.

13. (new) A system for managing a network system according to claim 12, wherein said third PDU includes a system ID of said first network element, and said second network element generates said MO for said first network element by using an address and a system ID included in said third PDU, and

wherein said fourth PDU includes a system ID of said second network element, and said first network element generates said MO for said second network element by using an address and a system ID included in said fourth PDU.

14. (new) A system for managing a network system according to claim 12, wherein said address included in said second PDU is a Network Service Access Point (NSAP) Address, and said address included in said third and fourth PDU is a Presentation Service Access Point (PSAP) address, whereby specification of said MO for first and said MO for second network element are based on specification of Open System Interconnection (OSI).

15. (new) A system for managing a network system according to claim 12, wherein said first or second network element searches whether or not there is a MO corresponding to a network element which sends said third or fourth PDU when

receiving said third or fourth PDU, generates a new MO if there is not, and generates a new MO after deleting a existing object if there is, when an address managed by said existing object is different with said address included in said third or fourth PDU as a result of comparison.